

IN THE CLAIMS

Claims 1-11 (Canceled).

Claim 12 (Previously Presented): An elevator control apparatus comprising:

- a winch for driving a car to move upward and downward;
- an electric motor that generates a driving force for said winch;
- an inverter that controls said electric motor so as to variably change its speed; and
- an Electronic Control Unit (ECU) that controls said inverter, said winch, said electric motor, said inverter, and said ECU together constituting a drive control device for said car, and being installed while being integrated with one another;

a traffic control device that controls the operation of said car by generating a traffic pattern from a current position of said car to a destination floor, said traffic control device being installed outside of said drive control device and while being divided from said drive control device.

Claim 13 (Previously Presented): The elevator control apparatus as set forth in claim 12, further comprising:

- a hall call button that is installed in a hall and generates, when operated, a hall call;
- a car call button that is installed in said car and generates, when operated, a hall call,

said traffic control device controlling the operation of said car in response to said hall call or said car call.

Claim 14 (Previously Presented): The elevator control apparatus as set forth in claim 13, wherein:

said drive control device is installed in a hoistway for said car;
said traffic control device is installed in a position accessible by an operator; and
the installation location of said traffic control device includes said hall, the inside of a wall of said hall, and a wall in said hoistway.

Claim 15 (Previously Presented): The elevator control apparatus as set forth in claim 13, wherein:

said drive control device is installed in a hoistway for said car; and
said traffic control device is installed in said car.

Claim 16 (Previously Presented): The elevator control apparatus as set forth in claim 13, further comprising:

a signal transmission part that is arranged between said drive control device and said traffic control device;

wherein said signal transmission part uses serial communication, optical communication, radio communication or power line multiplex communication.

Claim 17 (Previously Presented): The elevator control apparatus as set forth in claim 12, wherein:

said drive control device is integrally constructed by resin molding.

Claim 18 (Previously Presented): The elevator control apparatus as set forth in claim 17, further comprising:

cooling fins that are made of metal and serve to cool said electric motor and said inverter.

Claim 19 (Previously Presented): The elevator control apparatus as set forth in claim 12, wherein:

said inverter comprises a power conversion device of a matrix converter circuit type; and

said drive control device is integrally constructed by using said power conversion device.

Claim 20 (Previously Presented): The elevator control apparatus as set forth in claim 13, wherein:

said traffic control device comprises a general-purpose personal computer.

Claim 21 (Previously Presented): The elevator control apparatus as set forth in claim 13, wherein:

said drive control device comprises a plurality of drive control devices for individually controlling a plurality of cars;

said plurality of drive control devices are each integrally constructed individually;

said traffic control device comprises a single traffic control device that performs traffic control of said plurality of drive control devices; and

said single traffic control device centrally controls said plurality of cars.

Claim 22 (Previously Presented): The elevator control apparatus as set forth in claim 21, wherein:

said plurality of drive control devices respectively include individual main sheaves,
and an individual rope wrapped around said main sheaves; and
a counter weight is hung at one end side of said rope, and
said car is hung at the other end side of said rope.